

(I) 234, and NaOH 2.5 g were heated at 70°-120° with distillation of I and methanol to prepare 95% 4-octyloxymethyl-1,3-dioxolane-2-one.

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:317626 CAPLUS

DOCUMENT NUMBER: 135:94230

TITLE: Study of the acyl transfer reaction: structure and properties of glycerol carbonate esters

AUTHOR(S): Mouloungui, Zephirin; Pelet, Sandrine

CORPORATE SOURCE: ENSIACET - Site Rengueil. Lab. Chim. Agro-Ind.,
INRA/INP-ENSIACET, Toulouse, 31077, Fr. u

SOURCE: European Journal of Lipid Science and Technology (2001), 103(4), 216-222

CODEN: EJLTFM; ISSN: 1438-7697

PUBLISHER: Wiley-VCH Verlag GmbH

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 1607-31-4P 71572-28-6P 71572-29-7P

71628-84-7P 148843-55-4P 348113-24-6P

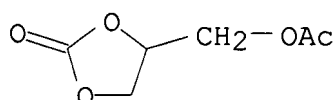
348113-25-7P

RL: IMF (Industrial manufacture); PRP (Properties); PREP (Preparation)
(preparation of glycerol carbonate esters via acyl transfer and thermal and

oxidative stability and surface tension of ester surfactants)

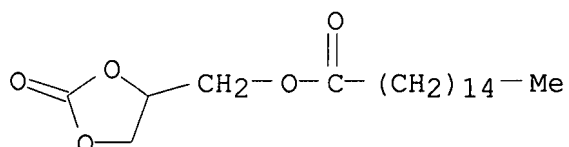
RN 1607-31-4 CAPLUS

CN 1,3-Dioxolan-2-one, 4-[(acetyloxy)methyl]- (CA INDEX NAME)



RN 71572-28-6 CAPLUS

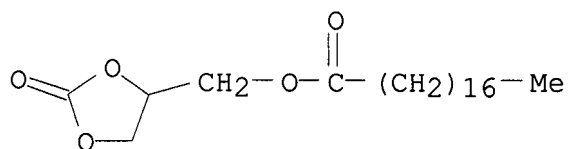
CN Hexadecanoic acid, (2-oxo-1,3-dioxolan-4-yl)methyl ester (9CI) (CA INDEX NAME)



RN 71572-29-7 CAPLUS

CN Octadecanoic acid, (2-oxo-1,3-dioxolan-4-yl)methyl ester (9CI) (CA INDEX NAME)

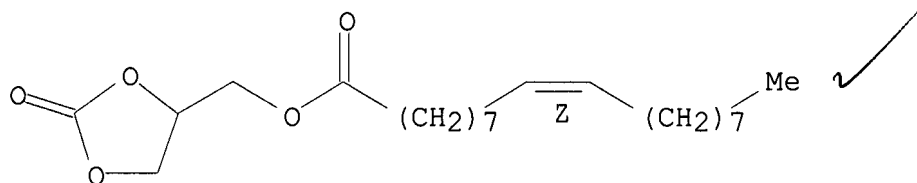
10/528,700



RN 71628-84-7 CAPLUS

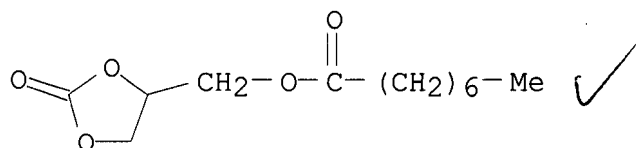
CN 9-Octadecenoic acid (9Z)-, (2-oxo-1,3-dioxolan-4-yl)methyl ester (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



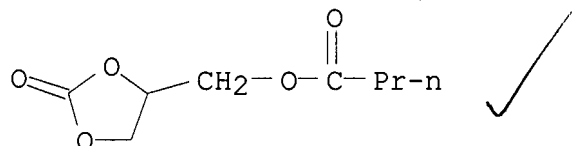
RN 148843-55-4 CAPLUS

CN Octanoic acid, (2-oxo-1,3-dioxolan-4-yl)methyl ester (9CI) (CA INDEX NAME)



RN 348113-24-6 CAPLUS

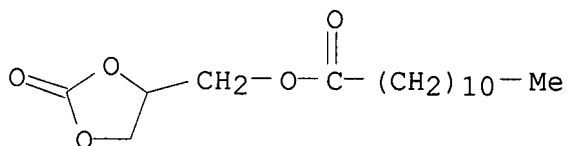
CN Butanoic acid, (2-oxo-1,3-dioxolan-4-yl)methyl ester (CA INDEX NAME)



RN 348113-25-7 CAPLUS

CN Dodecanoic acid, (2-oxo-1,3-dioxolan-4-yl)methyl ester (9CI) (CA INDEX NAME)

10/528,700



AB A series of glycerol carbonate esters derived from glycerol carbonate was

synthesized by acylation of glycerol carbonate in the presence of aliphatic

acyl chlorides. The compds. are polyoxygenates with an endocyclic diester

function and an exocyclic ester function. The compds. have good thermal

and oxidation stability and exhibit surfactant properties towards water/soybean oil interface.

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:290832 CAPLUS

DOCUMENT NUMBER: 134:311397

TITLE: Preparation of glyceryl ethers from glycidyl ethers

INVENTOR(S): Okutsu, Munenao; Kitsuki, Tomohito

PATENT ASSIGNEE(S): Kao Corp., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2001114719	A	20010424	JP 1999-296816	19991019

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PRIORITY APPLN. INFO.:	JP 1999-296816	19991019
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OTHER SOURCE(S): CASREACT 134:311397; MARPAT 134:311397

IT 175540-36-0P 334791-12-7P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation of glyceryl ethers from glycidyl ethers)

RN 175540-36-0 CAPLUS

CN 1,3-Dioxolan-2-one, 4-[(octyloxy)methyl]- (9CI) (CA INDEX NAME)